



3. A hand brake assembly, according to claim 1, wherein said hand bake assembly further includes an overload protection means connected to one of said source of fluid pressure and said operating means for preventing an overload.

4. A hand brake assembly, according to claim 1, wherein said operating means includes at least one valve means for connecting said source of fluid pressure to said operating means.

5. A hand brake assembly, according to claim 4, wherein said operating means includes a plurality of valve means for connecting said source of fluid pressure to said operating means.

6. A hand brake assembly, according to claim 4, wherein said hand brake assembly further includes means for venting said fluid pressure from said at least one valve means.

7. A hand brake assembly, according to claim 5, wherein said hand brake assembly further includes means for venting said fluid pressure from said plurality of valve means.

8. A hand brake assembly, according to claim 7, wherein said operating means includes a piston member connected to said source of fluid pressure.

9. A hand brake assembly, according to claim 8, wherein said hand brake assembly further includes a valve shifting means, a first portion of said valve shifting means is connected to said piston member and a second portion of said valve shifting means is connected to at least one of said plurality of valve means.

10. A hand brake assembly, according to claim 2, wherein said source of fluid pressure is pneumatic.

11. A hand brake assembly, according to claim 10, wherein said timing means includes a choke and a reservoir.

12. A hand brake assembly, according to claim 1, wherein said means for initiating said supply of said predetermined pressure to said operating means is one of a push button and a signal communicated to said means for initiating said supply of said predetermined pressure.

13. A hand brake assembly, wherein said means for initiating said supply of said predetermined pressure to said operating means is a push button.

14. A hand brake assembly, wherein said means for initiating said supply of said predetermined pressure to said operating means is a signal communicated to said means for

initiating said supply of said predetermined pressure by one of a radio frequency signal and an electrical signal.

15. A hand brake assembly, wherein said signal for initiating said supply of said predetermined pressure to said operating means is said electrical signal.

16. A hand brake assembly, wherein said overload protection means includes a pressure regulating means.

17. A hand brake assembly, according to claim 1, wherein said hand brake assembly further includes a slip clutch connected to said operating means to provide an overload protection means for said operating means.

18. A hand brake assembly engageable with a railway vehicle, said hand brake assembly comprising:

(a) an operating means having at least a portion thereof engageable with at least one gear of a gear assembly disposed in a housing member of said hand brake assembly for operating said gear assembly in an application direction;

(b) a source of fluid pressure connected to said operating means for periodically supplying a predetermined pressure to said operating means at least sufficient to cause movement in such application direction of said at least one gear of said gear assembly;

(c) a means connected to said source of fluid pressure for initiating said supply of said predetermined pressure to said operating means thereby causing an automatic movement of said gear assembly in such application direction by said hand brake assembly;

(d) a timing means connected intermediate said operating means and said source of fluid pressure for controlling said predetermined pressure being periodically supplied to said operating means; and

(e) an overload protection means connected to one of said source of fluid pressure and said operating means for preventing an overload.

19. A hand brake assembly, according to claim 18, wherein said operating means includes:

(a) at least one valve means for connecting said source of fluid pressure to said operating means;

(b) means for venting said fluid pressure from said at least one valve means; and

(c) a piston member connected to said source of fluid pressure.

20. A hand brake assembly, according to claim 19, wherein said operating means includes a plurality of valve means for connecting said source of fluid pressure to said operating means.

21. A hand brake assembly, according to claim 20, wherein said hand brake assembly further includes means for venting said fluid pressure from said plurality of valve means.

22. A hand brake assembly, according to claim 21, wherein said hand brake assembly further includes a valve shifting means, a first portion of said valve shifting means is connected to said piston member and a second portion of said valve shifting means is connected to at least one of said plurality of valve means.

23. A hand brake assembly, according to claim 18, wherein said source of fluid pressure is pneumatic.

24. A hand brake assembly, according to claim 23, wherein said timing means includes a choke and a reservoir.

25. A hand brake assembly, according to claim 18, wherein said means for initiating said supply of said predetermined pressure to said operating means is a push button.

26. A hand brake assembly, according to claim 18, wherein said means for initiating said supply of said predetermined pressure to said operating means is a signal communicated to said means for initiating said supply of said predetermined pressure by one of a radio frequency signal and an electrical signal.

27. A hand brake assembly, according to claim 26, wherein said signal for initiating said supply of said predetermined pressure to said operating means is said electrical signal.

28. A hand brake assembly, according to claim 18, wherein said overload protection means includes a pressure regulating means.

29. A hand brake assembly, according to claim 18, wherein said hand brake assembly further includes a slip clutch connected to said operating means to provide said overload protection means for said operating means.

30. A hand brake assembly engageable with a railway vehicle, said hand brake assembly comprising:

(a) a motor means having a rotatable shaft carrying a gear member thereon, said gear member engageable with at least one gear of a gear assembly disposed in a housing member of said hand brake assembly for operating said gear assembly in an application direction; and

(b) a means connected to said motor for starting said motor and thereby initiating an automatic application of said hand brake assembly.